

REMARKS

Claims 2-15 and 17-20 are pending in this application. By this Amendment, claims 1 and 16 are canceled without prejudice to or disclaimer of the subject matter recited therein. Claims 2-6, 8, 10, 12, 14 and 15 are amended. Claims 17-20 are added. Claims 6 and 8 are rewritten in independent form to include the subject matter of canceled claim 1. Claim 14 is amended to include the subject matter of claim 6. No new matter is added.

I. Information Disclosure Statement

Applicants respectfully request acknowledgment of receipt and consideration of the references listed on Form PTO-1449 submitted in the July 29, 2005 Information Disclosure Statement.

II. Restriction Requirement

Applicants appreciate the withdrawal of the restriction of claims 1-16 and the examination of those claims.

III. Allowable Subject Matter

The indication of allowable subject matter in claims 12 and 13 is appreciated, they being allowable if rewritten in independent form to include all of the features of their base claim and any intervening claims. Claims 12 and 13, as well as the remaining pending claims are in condition for allowance for the reasons discussed below.

IV. Claim Rejections Under 35 U.S.C. §102

Claims 1-9 and 14-16 are rejected under 35 U.S.C. §102(b) as anticipated by U.S. Patent No. 5,986,377 to Yamada et al. (Yamada). As claims 1 and 16 are canceled the rejection of those claims is moot. The rejection of claims 2-9, 14 and 15 is respectfully traversed.

Yamada fails to disclose each and every feature recited in the rejected claims, as amended. For example, Yamada fails to disclose a concentrated-winding type stator coil unit for a rotary electric machine, comprising . . . a coil wire wound to allow a last turn of the first

layered coil to continue to a first turn of the second layered coil and both ends of the coil wire are located at and on a base portion of each of the teeth so that both ends serve as a winding-start end and a winding-finish end of each of the coils, the first turn of the second layered coil has a coil-bent portion bent toward a tip portion of each of the teeth, a second turn of the second layered coil has another coil-bent portion first bent toward the base portion of each of the teeth and then bent toward the tip portion thereof so that the second turn is juxtaposed to the first turn in a radial direction of the stator core, and one or more other remaining turns of the second layered coil, which continues in turn to the second turn, each has another coil-bent portion first bent toward the base portion of each of the teeth and then bent toward the tip portion thereof so that the remaining turns are juxtaposed in sequence to the second turn in the radial direction of the stator core, as recited in independent claim 6 as amended, or the similar features recited in independent claims 8 and 14.

Yamada relates to a stator for a dynamo electric machine in which a plurality of continuous strip-like yoke portions each having an integrally formed magnetic pole tooth are punched out of steel sheets (col. 1, lines 7-10). It is alleged in the Office Action that Yamada discloses all of the features recited in the rejected claims including the bent portions recited in claim 6. The Office Action cites Fig. 89, reference number 117a as support for the alleged disclosure in Yamada of the bent portions. It is also alleged that these features of Yamada are similar to those shown in Fig. 12 of this application.

Figs. 89 and 90 of Yamada show a plan view of a stator in an initial stage of the coil winding, and a transverse section of the stator showing the completed coil winding, respectively. In Fig. 89, the magnetic wire 117a, alleged to correspond to the bent portion recited in the rejected claims, has a structure different from that recited in the claims. The magnetic wire 117a is merely an obliquely wound portion which is wound obliquely in an axial direction wound on the drum 115a toward a root portion of the drum. A similar structure shown in Figs. 7 and 8 of Yamada in which a first layer coil is also wound obliquely

to the axial end of each drum so that the first and second layer coils are mutually crossed to form an "X-shape" crossing. This structural formation of the winding does not correspond to the bent portions as recited in the rejected claims.

In contrast to the obliquely wound portions of Yamada, the rejected claims recite bent portions in specific structural relation to the first turn of the second layer coil that has a coil bent portion bent toward the tip portion of each tooth, a second turn of the second layer coil has another coil bent portion first bent toward the base portion of each tooth and then bent toward the tip portion ... and one or more remaining turns of the second layer coil, which continues in turn to the second turn, each has another coil bent portion first bent toward the base portion of each of the teeth and then bent toward the tip portion thereof so that the remaining turns are juxtaposed in sequence to the second turn in the radial direction of the stator core. (See, for example, Fig. 1A and the accompanying description beginning at page 12, line 29 through page 14, line 18).

As Yamada fails to disclose each and every feature recited in the rejected claims, Yamada fails to anticipate the subject matter of any of rejected claims 1-9 and 14-16. Accordingly, withdrawal of the rejection of claims 1-9 and 14-16 under 35 U.S.C. §102(b) is respectfully requested.

V. Claim Rejections Under 35 U.S.C. §103

Claims 10 and 11 are rejected under 35 U.S.C. §103(a) as unpatentable over Yamada in view of U.S. Patent No. 6,011,339 to Kawakami. The rejection is respectfully traversed.

Claims 10 and 11 are allowable for their dependency on their respective base claims, as well as for the additional features recited therein. Further, as Kawakami fails to overcome the deficiencies of Yamada discussed above, the combination of references fails to render the subject matter of claims 10 and 11 obvious. Accordingly, withdrawal of the rejection of claims 10 and 11 under 35 U.S.C. §103(a) is respectfully requested.

VI. New Claims

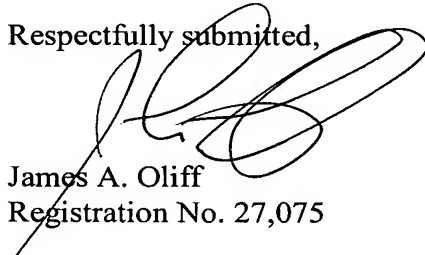
Neither of the applied references, whether considered alone or in combination, disclose or suggest each and every feature recited in any of claims 17-19. For example, the stator coil unit according to claim 8, comprising bus bars not only serving as at least one of tooth-to-tooth crossover lines, a neutral-point line, and phase terminals but also being disposed in proximity to an axial surface of the core back, the axial surface being the same as the side of the core back on which both the leading ends are located, as recited in claim 17.

VII. Conclusion

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,


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